Claims

1. Use of a first polyethylene polymer having a density of at least 950 kg/m^3 as a nucleating agent for a second polyethylene polymer having a density of less than 940 kg/m^3.

2. Use of claim 1 wherein said first polyethylene polymer is a homopolymer.

3. Use as claimed in claim 1 or 2 wherein the density of the first polyethylene polymer is at least 955 kg/m^3.

4. Use as claimed in claim 1 to 3 wherein the MFR_2 of the first polyethylene polymer is 5 to 20 g/10 min.

5. Use as claimed in claim 1 to 4 wherein the amount of first polyethylene polymer employed is 0.6 to 5 %wt, relative to the weight of second polyethylene polymer.

6. Use as claimed in claim 1 to 6 wherein said second polyethylene polymer is a copolymer or terpolymer of ethylene with at least one C_{3-10} α-olefin.

7. Use as claimed in claim 1 to 6 wherein said second polyethylene polymer is made using a single site catalyst.

8. Use claimed in claim 1 to 7 wherein said second polyethylene polymer is an ethylene/hexene copolymer or ethylene/butene/hexene terpolymer.

9. Use as claimed in claim 1 to 8 wherein the density of the second polyethylene polymer is less than 935 kg/m^3.

10. A polymer composition comprising:

A) 0.5 to 5% wt of a polyethylene homopolymer having a density of at least 950 kg/m^3; and

B) at least 95% wt of a polyethylene co- or terpolymer with at least one C_{3-10} α-olefin, said polymer having a density of less than 940 kg/m^3.

11. A film comprising a polymer as claimed in claim 10.

12. A film as claimed in claim 11 having a Haze (ASTM D 1003) of less than 40% and a gloss (ASTM D 523-66T) of at least 35.